

# XYZ CT 65 LTY

SIEMENS  
Touchscreen

SPINDLE 17 kW / (23 HP)  
65 mm BAR CAPACITY  
4,000 RPM  
Live tooling  
70 mm Y axis



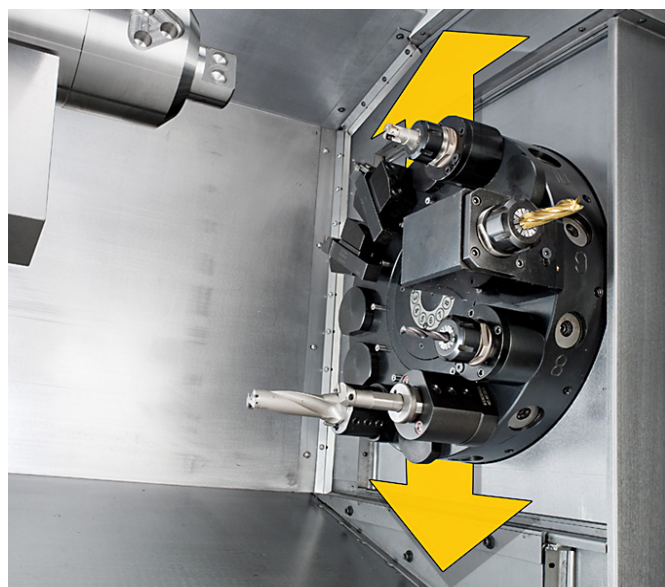
The **XYZ CT 65 LTY** Turning Centre is the perfect solution for quick one hit milling and turning production.

The smallest Y axis turning centre in the XYZ range offers great production capabilities from a very small footprint.

The **XYZ CT 65 LTY** is a perfectly sized, yet solidly built, versatile turning centre that makes the most of the smallest of shopfloor spaces. Standard equipment, not normally found on machines of this type, include hydraulic chuck, 12-station VDI turret, Renishaw tool setting, swarf conveyor and tailstock.

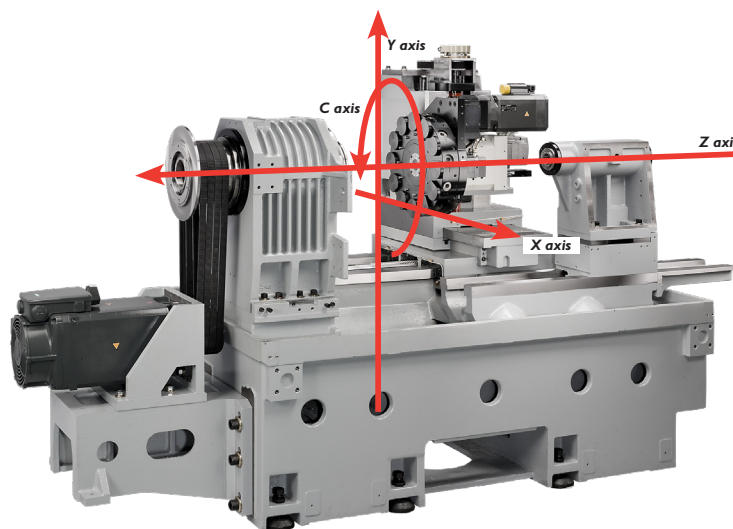
The latest in conversational control technology from Siemens the 828D ShopTurn, makes the machine ideal for experienced and novice CNC users alike.

The addition of the Y axis and live tooling means that productivity can be enhanced as many components that require turning and milling can come off the **XYZ CT 65 LTY** finished.



The 'Y' axis of the **XYZ CT 65 LTY** can travel 35mm above and below centreline (70mm total travel), making easy work of most components that would normally require milling and turning operations.

*The CT 65 LTY is a solid cast machine with box ways that forms the base for precision turning and rigid milling.*



For the full build specification of the XYZ Turning Centres see pages 19 and 20 of the **XYZ Turning Catalogue**.

# XYZ CT 65 LTY

**SPINDLE 17 kW / (23 HP)**  
**65 mm BAR CAPACITY**  
**4,000 RPM**  
**Live tooling**  
**70 mm Y axis**

## Standard Equipment

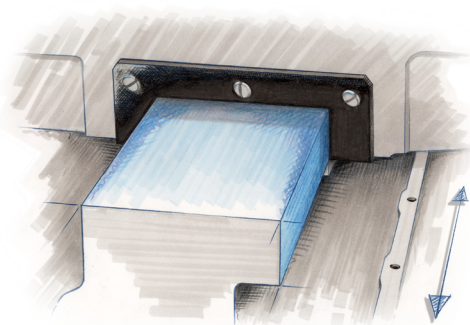
**Siemens 828D ShopTurn Touchscreen Control.**  
**PLC written by Siemens UK.**  
**Hydraulic 200 mm 3 Jaw Chuck.**  
**Sauter 'German' VDI Turret.**  
**Parts Catcher.**  
**Through Tool and Flood Coolant.**  
**Remote Electronic Handwheel.**  
**USB Port.**  
**Networking.**  
**Renishaw Automatic**  
**Tool Setting Arm.**  
**Swarf Conveyor & Bin.**  
**Programmable Hydraulic Tailstock.**

## Optional Equipment

**Collet Chuck.**  
**Bar Puller.**  
**LNS or Hydrafeed Bar Feed Systems.**  
**Offline Programming.**  
**Siemens CAD Reader.**  
**Contour Handwheel.**  
**Gear Hobbing.**  
**Polygon Turning.**  
**Advanced Swarf Management System.**

## With Hard Box Way slides

The **XYZ CT 65 LTY** features the latest in high quality Hard Box Way slide technology.



	XYZ COMPACT TURN 65 LTY
Power chuck diameter	200 mm
Maximum swing	400 mm
Swing over carriage cover	320 mm
Maximum turned diameter	220 mm
Maximum turned length	490 mm
X axis travel	220 mm
Y axis travel	+/- 35 mm (70 mm)
Z axis travel	500 mm
Spindle centre height from floor	998 mm
Spindle nose	A2-6
Spindle bore	76 mm
Bar capacity	65 mm
Spindle front bearing internal dia	110 mm
Max spindle speed	4,000 rpm
Spindle S1 continuous	9 kW / (12 HP)
S2-30 mins	11 kW / (15 HP)
S6 25% (2.5 mins in 10)	17 kW / (23 HP)
Min spindle speed for full power	1,500 rpm
X & Z axis rapid traverse rate	20 M/min
Y axis rapid traverse rate	15 M/min
X axis slideway configuration	Hardened box way
Z axis slideway configuration	Hardened box way
Ballscrew diameter (X & Z)	32/40 mm
Servo motors	11 Nm
Turret	12 Station VDI 30
Live tool max rpm	4,500 rpm
Turning tool shank dimensions	20 x 20 mm
Max. boring bar diameter	32 mm
Tailstock quill taper	MT 4
Quill diameter and travel	75 x 120 mm
Max. quill thrust	800 kg
Coolant tank capacity	80 L
Coolant pump delivery	30 L/min @ 0.8 Bar
Machine weight	4,400 kg
Footprint W x D x H approx with conveyor	3,250 x 2,060 x 2,000 mm

	XYZ CT 65 LTY live tooling C axis
No. of stations	12, all live
Max rpm	4,500 rpm
Power 40% rating	4 kW
'C' axis resolution	0.001°

Conforming to ISO 13041	
Positional accuracy	+/- 5 microns
Repeatability	+/- 2 microns
Cutting accuracy over 100mm	10 microns
Geometric accuracy over 100mm	10 microns



Part of the **XYZ Turning Catalogue** which includes:  
**ProtoTRAK® Lathes.**  
**Turning Centres.**  
**XL Extra Large Lathes.**  
**Oil Country Lathes.**  
**Mobile Robotic Automation.**  
**Manual Mills & Lathes.**  
**Grinders.**  
**Tooling & Accessories.**



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